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APPLICATION NO	· FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/699,809	11/03/2003	Mitsuru Arai	03665/LH	4459
	7590 07/27/200 OLTZ, GOODMAN &	EXAMINER		
220 Fifth Avenue 16TH Floor NEW YORK, NY 10001-7708			WEINSTEIN, LEONARD J	
			ART UNIT	PAPER NUMBER
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		ov.		
			MAIL DATE	DELIVERY MODE
		•	07/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/699,809	ARAI ET AL.		
Examiner	Art Unit		
Leonard J. Weinstein	3746		

	Leonard J. Vveinstein	3/46	
The MAILING DATE of this communication appe	ars on the cover sheet with the	correspondence add	ress
THE REPLY FILED <u>06 July 2007</u> FAILS TO PLACE THIS APPI			
1.   The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliance time periods:	n the same day as filing a Notice of wing replies: (1) an amendment, a stice of Appeal (with appeal fee) in	f Appeal. To avoid aba ffidavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)
a) The period for reply expires 3 months from the mailing date b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire I Examiner Note: If box 1 is checked, check either box (a) or TWO MONTHS OF THE FINAL REJECTION. See MPEP 7	Advisory Action, or (2) the date set fortl ater than SIX MONTHS from the mailin (b). ONLY CHECK BOX (b) WHEN TH 06.07(f).	ng date of the final rejecti IE FIRST REPLY WAS F	on. ILED WITHIN
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of exunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	tension and the corresponding amoun shortened statutory period for reply ori r than three months after the mailing d	t of the fee. The appropr ginally set in the final Offi	iate extension fee ce action; or (2) as
<ol> <li>The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exte a Notice of Appeal has been filed, any reply must be filed</li> </ol>	nsion thereof (37 CFR 41.37(e)), t	to avoid dismissal of th	ns of the date of ne appeal. Since
AMENDMENTS  3. The proposed amendment(s) filed after a final rejection,  (a) They raise new issues that would require further co  (b) They raise the issue of new matter (see NOTE belo  (c) They are not deemed to place the application in be  appeal; and/or  (d) They present additional claims without canceling a  NOTE: (See 37 CFR 1.116 and 41.33(a)).  4. The amendments are not in compliance with 37 CFR 1.1  5. Applicant's reply has overcome the following rejection(s)	ensideration and/or search (see No ow); tter form for appeal by materially re corresponding number of finally re 21. See attached Notice of Non-C	OTE below); educing or simplifying ejected claims.	the issues for
<ul> <li>6. Newly proposed or amended claim(s) would be a non-allowable claim(s).</li> <li>7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is pro The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: Claim(s) withdrawn from consideration:</li> </ul>	llowable if submitted in a separate  ☐ will not be entered, or b) ☐ w		
AFFIDAVIT OR OTHER EVIDENCE			
<ol> <li>The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good an was not earlier presented. See 37 CFR 1.116(e).</li> </ol>	ut before or on the date of filing a land sufficient reasons why the affidate.	Notice of Appeal will <u>no</u> avit or other evidence i	ot be entered s necessary and
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to showing a good and sufficient reasons why it is necessar	overcome <u>all</u> rejections under app y and was not earlier presented.	eal and/or appellant fa See 37 CFR 41.33(d)(	ils to provide a 1).
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	on of the status of the claims after	entry is below or attac	hed.
<ol> <li>The request for reconsideration has been considered by See Continuation Sheet.</li> </ol>	ut does NOT place the application	in condition for allowa	nce because:
12. Note the attached Information Disclosure Statement(s).	(PTO/SB/08) Paper No(s).		
13.	auther Sustants	. 11	4
	ANTHONY D. STASHICK	hulft	

SUPERVISORY PATENT EXAMINER **TECHNOLOGY CENTER 3700** 

Continuation of 11. does NOT place the application in condition for allowance because: 1. Applicant's arguments filed July 9, 2007 have been fully considered but they are not persuasive.

With regards to the Romectsch reference and claims 5, and 7-9 the applicant argues that control valve 40 controls outflow of fluid from a control chamber but does not control inflow of fluid into the control chamber therefore is not a control valve which is built-in the servo piston, and which controls inflow and outflow of oil in the oil chamber, and which is positioned by applying a (volume) control pressure thereto. With regards to the Kuroyanagai reference and claim 5 the applicant argues that since the spring 64 is held between the second piston 60 and the cap 63 according to Kuroyanagi et al, the spring 64 and the second control chamber 65 of Kuroyanagi et al are not within the servo piston 60. The applicant also argues that the spring 64 and control chamber 65 to do not constitute a "valve" or by definition: "any device for halting or controlling the flow of a liquid, gas, or other material through a passage, pipe, inlet, outlet, etc." As cited from Dictionary.com in the response by applicant of July 7, 2007. Further the applicant argues the spring 64 and second control chamber 65 of Kuroyanagi et al do not correspond to a control valve which is built-in the servo piston, and which controls inflow and outflow of oil in the oil chamber, and which is positioned by applying a (volume) control pressure, wherein the driving pressure in the oil chamber is changed by changing the position of the control valve by controlling the (volume) control pressure applied to the control valve. The applicant also argues that the Examiner's interpretation of Kuroyanagi et al in item 3 on pages 2 and 3 of the Office Action. Further the applicant has requested that the examiner clarify why the O-ring 30 of Kuroyanagi et al, which prevents leaks through cap 63 (or 53), is referred to throughout the Office Action as forming part of a servo piston together with servo piston 60 of Kuroyanagi et al.

In response to applicant's argument that the control valve of Rometesch controls outflow of fluid from a control chamber but does not control inflow of fluid into the control chamber the examiner disagrees. The control valve allows fluid to pass from the chamber 34 to a pressure relief pocket 22 under a predetermined pressure that causes a control valve to permit fluid flow through tube 42, small bore 45, and large bore 46 (Rometesch - col. 3 ll. 53-65). When the control is forced to open the pathway to the tube 42, it is effectively controlling the inflow and outflow of fluid to the oil chamber. Prior to the valve element actuation no flow into or out of the chamber 34 can occur because the chamber is pressurized and filled with fluid. When the valve element is actuated and the pathway connecting tube 42 is open, fluid flows out of the oil chamber as well as fluid previously stopped within fluid delivery line 29 is introduced into the chamber 34 (Rometesch - col. 24-27). Therefore the control valve of Rometesch is a control valve that is built in a servo piston, and does control inflow and outflow of oil in the oil chamber, and is positioned by applying a (volume) control pressure thereto.

In response to applicant's argument that the spring 64 of the Kuroyanagi reference is held between the second piston 60 and the cap 63, and that the spring 64 and second control chamber 65 are clearly not within the second piston 60 the examiner clarifies the interpretation of the prior art as follows. Kuroyanagi does teach that the spring 64 is held between the second piston 60 and a cap 63, and that the second control chamber 65 is defined by the second piston 60, the second cylinder 68 and the cap 63 however Kuroyanagi also teaches a spring 64 that is affixed to a surface disposed below element 30 as shown in figure 3. Reference to element 30 was made in the prior Office Action for lack of a designation to the surface as discussed within the written description of Kuroyanagi. The surface disposed below element 30 and element 60 are considered to be the structure of the piston. The spring 64 and second control chamber 65 are within the servo piston and can be interpreted to be a control valve. Therefore Kuroyanagi as cited does teach a control valve built-in the servo piston, that controls inflow and outflow of oil in the oil chamber, and is positioned by applying a (volume) control pressure, wherein the driving pressure in the oil chamber is changed by changing the position of the control valve by controlling the (volume) control pressure applied to the control valve.

Further in response to applicant's argument that the spring 64 and control chamber 65 to do not constitute a "valve" or by the definition: "any device for halting or controlling the flow of a liquid, gas, or other material through a passage, pipe, inlet, outlet, etc," the examiner disagrees. The spring and control chamber of Kuroyanagi cited permit a flow of fluid from a chamber cited in the office action of April 20, 2007 to be element 66. Element 66 is in communication with a chamber as disclosed by Kuroyanagi as element 70 (Kuroyanagi - col. 4 II. 25-33). Therefore the elements of Kuroyanagi cited to constitute a device which halts/controls the flow of a liquid/gas through a passage. Further in response to applicant's argument the interpretation of Kuroyanagi et al in item 6 on page 4 of the Office Action conflicts with the interpretation of Kuroyanagi et al in item 3 on pages 2 and 3 of the Office Action, the examiner disagrees. Elements 17 and 66 are in communication with one another via element 70 and therefore a reference to both as an oil chamber is proper and the interpretation of the spring 64 and second control chamber 65 of Kuroyanagi et al as a "control valve" in item 6 of the Office Action does not conflict with the interpretation in item 3 of the Office Action.

In response to applicant's request for clarification with regards to the reference to element 30 as forming part of a servo piston the examiner made reference to element 30 in the prior Office Action for lack of a designation to the surface as discussed within the written description of Kuroyanagi. The surface disposed below element 30 and element 60 are considered to be the structure of the piston. The examiner would like to point out that in the Office of April 20, 2007 an error was made in item 3 whereby the office action should have stated that claims 5 and 6 were rejected under 35 U.S.C. 102(b) as being anticipated by Kuroyanagi et al. 4,652,215...